

39. A recombinant polynucleotide comprising a nucleotide sequence encoding at least 72 consecutive amino acids from Repro-PC-1.0 polypeptide (SEQ ID NO:2).

40. The polynucleotide of claim 39 wherein the nucleotide sequence encodes native Repro-PC-1.0 polypeptide (SEQ ID NO:2).

41. The polynucleotide of claim 39 wherein the nucleotide sequence encodes a Repro-PC-1.0 polypeptide analog.

42. The polynucleotide of claim 41 wherein the nucleotide sequence encodes an immunogenic Repro-PC-1.0 polypeptide analog.

43. A polynucleotide probe or primer of at least 40 nucleotides that specifically hybridizes to a nucleotide sequence selected from Repro-PC-1.0 cDNA (SEQ ID NO:1) or its complement.

44. The polynucleotide probe or primer of claim 43 whose sequence is identical or complementary to a nucleotide sequence selected from Repro-PC-1.0 cDNA (SEQ ID NO:1) or its complement.

45. The polynucleotide probe of claim 43 further comprising a label.

46. An inhibitory polynucleotide comprising an antisense sequence of at least 40

nucleotides that specifically hybridizes to a nucleotide sequence selected from Repro-PC-1.0 cDNA of SEQ ID NO:1 and that inhibits expression of Repro-PC-1.0 in cells.

47. The inhibitory polynucleotide of claim 46 whose sequence is complementary to a nucleotide sequence selected from Repro-PC-1.0 cDNA (SEQ ID NO:1).

48. A recombinant polynucleotide comprising an expression control sequence operably linked to a nucleotide sequence encoding:

a Repro-PC-1.0 polypeptide,

a Repro-PC-1.0 analog,

a polynucleotide probe or primer of at least 40 nucleotides that specifically hybridizes to a nucleotide sequence selected from Repro-PC-1.0 cDNA (SEQ ID NO:1) or its complement, or

an inhibitory polynucleotide comprising an antisense sequence of at least 40 nucleotides that specifically hybridizes to a nucleotide sequence selected from Repro-PC-1.0 cDNA (SEQ ID NO:1) and that inhibits expression of Repro-PC-1.0 in cells.

49. A recombinant cell comprising a recombinant polynucleotide of claim 48.

50. A polynucleotide comprising at least 40 consecutive nucleotides of SEQ ID NO:1.

51. A Repro-PC-1.0 polypeptide analog that is not naturally occurring and that

comprises a sequence of at least 100 consecutive amino acids selected from the amino acid sequence of Repro-PC-1.0 polypeptide (SEQ ID NO:2).

52. The Repro-PC-1.0 polypeptide analog of claim 51 which is a decoy that competes with Repro-PC-1.0 polypeptides for interaction with molecules that naturally interact with Repro-PC-1.0.

53. The Repro-PC-1.0 polypeptide analog of claim 51 which, when presented as an immunogen, elicits the production of an antibody which specifically binds to native Repro-PC-1.0 polypeptide.

54. A polypeptide or polynucleotide vaccine for eliciting an immune response against Repro-PC-1.0 comprising an immunogenic Repro-PC-1.0 polypeptide analog or a polynucleotide encoding the analog.

55. The vaccine of claim 54 wherein the analog bears an MHC Class I or MHC Class II binding motif.

56. A polynucleotide comprising a nucleotide sequence encoding at least 100 consecutive amino acids from the polypeptide of SEQ ID NO:2.

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